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REPORTS TO THE SURGEON GENERAL, PUBLIC HEALTH AND MARINE-HOSPITAL SERVICE.

PLAGUE-PREVENTION WORK.

INFECTED GROUND SQUIRRELS.

During the week ended April 15, 1911, the finding of 5 plague-infected ground squirrels was reported as follows: In Contra Costa County, Cal., April 3, 1 squirrel at Harding ranch 5 miles south of Antioch; in Merced County, Cal., March 20, 1 squirrel at John Menjoulet ranch, 8 miles south of Los Banos; in Stanislaus County, Cal., March 29, 1 squirrel at Fredericks ranch, 1½ miles north of Modesto, and April 10, 1 squirrel at Miller ranch, 3 miles south of Ripon, and 1 at Kiernan ranch, 2 miles south of Ripon.

DISTRIBUTION OF POISON.

In connection with the making of a squirrel-free zone around the cities of California on San Francisco Bay 535 acres of land in Alameda County were covered with poison during the week ended April 15, 1911.

Record of Plague Infection.

Places.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number of rodents found infected since May, 1907.
California:				
Cities—				
San Francisco.....	Jan. 30, 1908.....	Oct. 23, 1908.....	None.....	398 rats.
Oakland.....	Oct. 26, 1909.....	Dec. 1, 1908.....	.....do.....	126 rats.
Berkeley.....	Aug. 28, 1907.....	None recorded.....	.....do.....	None.
Los Angeles.....	Aug. 11, 1908.....	None.....	Aug. 21, 1908.....	1 squirrel.
Counties—				
Alameda (exclusive of the city of Oakland).	Sept. 26, 1909.....	Wood rat, Oct. 17, 1909.....	Mar. 29, 1911.....	98 squirrels.
Contra Costa.....	July 21, 1908.....	None.....	Apr. 3, 1911.....	1 wood rat.
Merced.....	None recorded.....	.....do.....	Mar. 20, 1911.....	248 squirrels.
Monterey.....	.....do.....	.....do.....	June 6, 1910.....	3 squirrels.
San Benito.....	June 5, 1910.....	.....do.....	July 11, 1910.....	4 squirrels.
San Joaquin.....	None recorded.....	.....do.....	Jan. 9, 1911.....	20 squirrels.
San Luis Obispo.....	.....do.....	.....do.....	Jan. 29, 1910.....	11 squirrels.
Santa Clara.....	Aug. 23, 1910.....	.....do.....	Oct. 5, 1910.....	1 squirrel.
Santa Cruz.....	None recorded.....	.....do.....	May 17, 1910.....	23 squirrels.
Stanislaus.....	.....do.....	.....do.....	Apr. 10, 1911.....	3 squirrels.
Washington:				
Seattle.....	Oct. 30, 1907.....	Feb. 8, 1910.....	None.....	10 squirrels.
				22 rats.

Rats Collected and Examined for Plague Infection.

Place.	Week ended—	Found dead.	Total collected.	Examined.	Found infected.
California:					
Cities—					
Berkeley.....	Apr. 15.....	.....	1 99	59	.....
Oakland.....	do.....	44	2 508	399	.....
San Francisco.....	do.....	16	3 1,385	914	.....
Counties—					
Santa Clara.....	do.....	.....	4 4	4	.....
Total.....	.....	60	1,996	1,376	.....

¹ Identified, *Mus norvegicus* 66, *Mus musculus* 33.² Identified, *Mus norvegicus* 443, *Mus ratus* 1, *Mus musculus* 63, *Mus alexandrinus* 1.³ Identified, *Mus norvegicus* 771, *Mus ratus* 127, *Mus musculus* 380, *Mus alexandrinus* 107.⁴ Identified, *Mus norvegicus* 4.

Squirrels Collected and Examined for Plague Infection.

Place.	Week ended—	Trapped and shot.	Found dead.	Examined.	Found infected.
California:					
Counties—					
Alameda.....	Apr. 15.....	182	2	179	.....
Butte.....	do.....	52	.....	52	.....
Colusa.....	do.....	53	.....	53	.....
Contra Costa.....	do.....	40	.....	40	1
Fresno.....	do.....	90	.....	90	.....
Imperial.....	do.....	220	.....	214	.....
Kern.....	do.....	25	.....	25	.....
Lake.....	do.....	23	.....	23	.....
Los Angeles.....	do.....	328	1	325	.....
Madera.....	do.....	145	.....	145	.....
Mariposa.....	do.....	246	1	247	.....
Merced.....	do.....	30	.....	30	1
Monterey.....	do.....	913	.....	913	.....
San Joaquin.....	do.....	530	1	531	.....
San Luis Obispo.....	do.....	337	.....	337	.....
Santa Barbara.....	do.....	112	.....	112	.....
Santa Clara.....	do.....	357	1	358	.....
Sonoma.....	do.....	5	.....	5	.....
Stanislaus.....	do.....	167	.....	167	3
Tehama.....	do.....	38	.....	38	.....
Yolo.....	do.....	56	3	59	.....
Total.....	.....	3,954	9	3,948	5

Other Animals Collected and Examined.

Place.	Week ended—	Animals collected.	Examined.	Found infected.
California:				
Cities—				
San Franciso.....	Apr. 15.....	1 gopher.....	.....	.....
Counties—				
Alameda.....	do.....	2 rabbits, 1 gopher.....	.....	3
Butte.....	do.....	3 rabbits.....	.....	3
Fresno.....	do.....	3 rabbits.....	.....	3
Imperial.....	do.....	3 rabbits.....	.....	3
Kern.....	do.....	3 kangaroo rats.....	.....	3
Lake.....	do.....	2 rabbits, 1 owl.....	.....	3
Los Angeles.....	do.....	1 rabbit.....	.....	1
Madera.....	do.....	22 rabbits.....	.....	22
Mariposa.....	do.....	10 rabbits.....	.....	10
Merced.....	do.....	1 rabbit.....	.....	1
Monterey.....	do.....	6 rabbits, 2 kangaroo rats, 4 owls, 1 weasel.....	.....	9
San Joaquin.....	do.....	28 rabbits, 3 weasels.....	.....	28
San Luis Obispo.....	do.....	4 rabbits, 2 gophers.....	.....	6
Santa Clara.....	do.....	7 rabbits, 7 gophers, 1 wood rat, 1 owl.....	.....	15
Sonoma.....	do.....	1 chipmunk.....	.....	1
Stanislaus.....	do.....	6 rabbits.....	.....	6
Yolo.....	do.....	1 rabbit.....	.....	1
Total.....	.....	.....	.....	118